APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Improved Treatment of Liquid Steel in a Ladle with Synthetic Slags, by Yu. G. Gurevich.
RUSSIAN, per. Izvest VUZ- Chern Met, Vol 11, No 8, 1968, pp 75-76.
HB 7601

Sci-Mat
Feb 69 374,501

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Effect of Vibratory Loading Upon the Distribution of the Plastic Deformations in Hot Upsettings, by T. M. Golubev, V. N. Yavorovskii.
RUSSIAN, per. Izvest VUZ- Chern Met, Vol 11, No 8, 1968, pp 93-95.
HB 7605

Sci-Mat
Feb 69

374,522

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Boro-Carburizing of Steel, by N. N. Nogtev, I. P. Petisova.
RUSSIAN, per. Izvest VUZ- Chern Met. Vol 11, No 8, 1968, pp 125-128.
HB 7603

Sci-Mat
Feb 69

374.538

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Proportion of Boride Layers on Alloy Construc-
tional Steels, by L. G. Voroshnin,
L. S. Lyakhovich.
RUSSIAN, per. Izvest .UZ- Chern Met, vol 11,
No 8, 1968, pp 129-134.
HB 7604

Sci-Mat
Feb 69

374.537

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Surface Impregnation of Iron with Beryllium, Manganese, and Boron, by P. I. Mel'nik. RUSSIAN, per. Izvest VUZ- Chern Met, Vol 11, No8, 1968, pp 135-138.
HB 7594

Sci-Mat
Feb 69

374.525

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Improvement of Properties of Modular Cast Iron by Treatment with Synthetic Slag, by N. I. Shvidkov, A. Ya. Khrapov.
RUSSIAN, per. Izvest VUZ- Chern Met, Vol 11, No 8, 1968, pp 143-145.
HB 7595

Sci-Mat
Feb 69

374,520

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

n the Calculation of the Optimum Consumption
of Oxygen for the Intensification of the Co-
bustion of a Fuel in the Open Hearth Flame, by
. I. Chemyshn.
[illegible], Izv. VUZ Chern. et, no 5, 1961,
pp 153-155.
NSI 7277

Sci/ Metals
Nov 69 397,330

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

On the Nature of Hardening of [Iron-ore] Pellets,
by Yu. S. Yusfin.
RUSSIAN, per. Izvest VUZ- Chern Met. Vol 11, No 9,
1968, pp 31-34.
MB 7631

Sci-Mat
Feb 69

374.523

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Study of Noise in the Basic Oxygen Furnace During the Blowing Period, by S. M. Kolyasin.
RUSSIAN, per, Izv. VUZ Chern. Met., Vol 11, No 9, 1968, pp 60-64.
HB 7654

Sci-Mat
Mar 69

377,716

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Development of a Deoxidizing Practice for Low-Carbon Basic Oxygen Furnace Steel, by
V. I. Yavoiskii.
RUSSIAN, per. Izvest VUZ- Chern Met, Vol 11, No 9, 1968, pp 65-68.
MB 7632

Sci-Mat
Feb 69

374,542

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The Behavior of Metals at High Strain Rates,
by L. D. Sokolov.
RUSSIAN, per, Izvest VUZ- Chern . et. Vol 11,
No 9, 1968, pp 111-113.
MB 7630

Sci-Mat
Feb 69

374,539

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of High-Temperature Thermomechanical Treatment of the Wear Resistance and Other Mechanical Properties of Chromium Constructional Steels, by M. L. Bernshtein.
RUSSIAN, per, Izvest VUZ- Chern Met, Vol 11, No 9, 1968, pp 166-169.
HR 7629

Sol. Int

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Development of a Low-Alloy Steel for Seamless Rolled Railroad Wheels, by N. A. Vekser and D. S. Kamarnovsky,
RUSSIAN, per. Izv. VUZ Chern. Met., No 10, 1968.
BIBI 7490

Sal/Hart
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

On the Possibility of Coagulating Nonmetallic Inclusions in Steel Deoxidized with Aluminum, by V. V. Khlynov, V. A. Gornovoe.
RUSSIAN, per, Izv. VUZ Chern. Met., Vol 11, No 10, 1968, pp 40-44.
BB 7688

Sci-Mat
April 69

377,743

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of the Oxygen Content of Liquid Steel on Size and Amount of Inclusions in Deoxidation with Aluminum, by E. Ya. Zarvin.
RUSSIAN, per. Izvest. VUZ Chren Met.,
Vol 11, No 10, 1968, pp 57-61.
UB 7675

Sci-Materials
April 69

377/731

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

MUKHOMOROV, V.L. and others. Calculation of idling t
(including manipulating time) on a cogging mill.
Izv.vyssh.ucheb.Zaved.Chern.Metall. (Oct):81-5 (1968)
(CRL/T. 4072x)

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Investigations of the Continuous Plate Rolling Process Based on Mathematical Models Using an Electronic Computer,
RUSSIAN, per, Izv. VUZ Chern. Met., 1968 Oct. pp. 86-92.
BISI 7204

Sci/mat
nov 69

396,070

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Analysis of a Formula for the Neutral Angle in Longitudinal Rolling, by T. H. Golubev, L. V. Morozov.
RUSSIAN, per, Izv. VUZ Chern. Met., Vol 11, No 10, 1968, pp 93-95.
UB 7637

Sci-Mat
Anril 69

377,746

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Strength and Plasticity of Some Steels Rolled in Vacuum, by A. T. Bykadorov.
RUSSIAN, per, Izvest. VUZ Chern. Met., Vol 11, No 10, 1968, pp 102-104.
BB 7677

Sci-Mat
April 69

377,732

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Formation of Transition Zone in Stainless Clad Carbon Steel During Hot Working, by M. S. Lozinskiy, A. I. Tananov. RUSSIAN, per, Izv VUZ Chern Met, Vol 11, No 10, 1968, pp 124-130.
MB 7704

Sci-Tat
June 69

383,273

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Treatment of Steel in the Ladle with Synthetic Lime-Alumina and White Slags, by A. M. Yakunnev, V. P. Smolyarenko.
RUSSIAN, per, Izv VUZ Chern Met, Vol 11, No 11, 1968, pp 48-52.
HB 7111
7

Sci-Mat
June 69

383,270

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Deoxidation of Stainless Steel with Carbon in Vacuum, by B. V. Linchevskiy, A. I. Sobolevskiy.
RUSSIAN, per, Izv VUZ Chern Met, Vol 11, No 11, 1968, pp 60-63.
HB 7706

Sci-Mat
June 69

383,271

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Structure and Phase Composition of Chromized Cast on Steel with Rapid Heating, by Iu N. Kidin. RUSSIAN, per, Izv. VUZ Chern. Met., Vol 11, No 11, 1968, pp 116-119.
UB 7712

sci-materials
april 69 377,744

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of the Original Structure on the Service Performance of a Cast Cutting Tool, by
N. F. Kalashnikov, A. A. Govorov.
RUSSIAN, per, Izv VUZ Chern Met, Vol 11, No 22, 1968, pp 120-122.
HB 7761

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Strengthening High-Speed Steel by the Action of a Light Ray (Laser Beam), by L. I Mirkin, N. F. Filipetskiy.
RUSSIAN, per, Izv. VUZ Chern Met., Vol 11, No 11, 1968, pp 124-125.
HB 7733

Sci-Nat
Mar 69

377,718

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Investigation of the High-Temperature Oxidation of Metals Aluminized by the Circulation Process, by S. N. Fedoseeva.
RUSSIAN, per. Izvest VUZ- Chern Met. Vol 11, No 11, 1968, pp 147-151.
AB 7383

Sci-Mat
Apr 68

352.237

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of the viscosity of the metal on
nonmetallic inclusions in the electroslag
[remelting] process, by V. V. Ershov.
Russ, per. Izvest. Vuz- Chern. Met., Vol 11,
No 12, 1968, pp 9-13.
31 7764

Sci/ Materials
Aug 69

366,610

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Interaction of Nitrides with Oxygen and Oxides, by
Yu. S. Shilevich.
Moscow, per. Izvest. VUZ-Chern. Met., Vol 11,
No 12, 1968, pp 18-22.
AS 7759

Sci/ Materials
Sept 69

392,961

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Distribution of blast and natural gas at the [illegible] and the [illegible] Composition over the Chamber Furnace Cross Section, by A. D. Kotlin, et al.
Moskva, Izv, Izvestiya VUZ Chern. Met, Vol 11, No 12, 1968, pp 23-27.
Ill 7753

Sci/Materials
Sept 69

391,043

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Kinetics of Flotation of Nonmetalic Inclusions in Liquid Iron, by
D. Ya. Povolotskiy, V. Ye. Roshchin.
RUSSIAN, per, Izv VUZ Chern Met, Vol 11,
No 12, 1968, pp 42-46.
HB 7763

Sci-Mat
June 69

383,287

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Slag Composition and Deoxidizing
Practice on the Quality of Mill-Steam Steel,
by A. . Chuiko, et al.
Izv. Vys. ucheb. zaved., Izvestiya VUZ- Chern. Met., Vol 11
No 12, 1968, pp 59-63.
US 7765

Sci/ Materials
Sep 69

392,960

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The Work-Hardening Curves of some Alloyed Steels During Hot Deformation, by V. N. Peretyatko.
RUSSIAN, per, Izv. VUZ Chern. Met., No 12, 1968
pp 92-96.
BISI 7381

sci/ materials
nov 69

397,300

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Alpha-to-Gamma Transformation on the Chemical and Anticorrosion Properties of Cold-Worked 18-10 Ti Steel, by A. A. Kovrigin. [illegible], per, Izvest. VUZ Chem. Tet., Vol 11, No 12, 1968, pp 109-110.
No. 7760

Sci/ Materials
Aug 69

384,691

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of boron on the properties of cast
[illegible], by I. I. Zeradzev.
I. V. Kurnakov.
[illegible], Ser. Izvest. Sek. Fiz.-Khim. Analiza, Vol 11,
No 12, 1938, pp 135-139.
QD 7702

sci/ material
Sept 69

392,962

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The influence of plastic deformation of steel in the austenitic state on the impact resistance at sub-zero temperatures, by M. I. Gorenko, [illegible], Izv. VUZ. Chern. Met, v 12, [illegible] p 140.
BISI 7514

sci/materials
jan 70

399,927

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Effect of the Oxygen Content in Rimming Steel on Ingot Structure, by I. V. Kulikov, RUSSIAN, per. Izv. VUZ Chern. Met., No 1, 1969, pp 30-34.
BIBI 7770

Sci/Mat
Aug 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Rare-Earth Metals on the Rate of Crystallization of Continuously-Cast Carbon Steel Billets, by
A. P. Kolchanov, V. A. Kudrin.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 1, 1969, pp 41-43.
MB 7770

Sci-Mat
June 69

383,257

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

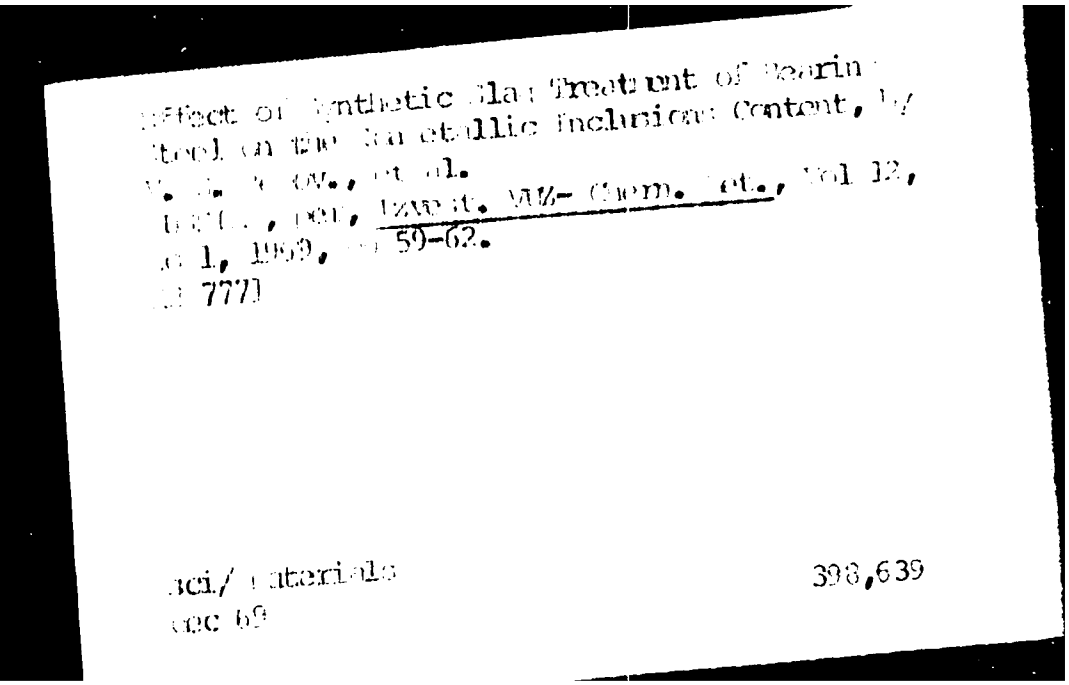
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

An Investigation of the Desulphurization of the Metal in Large Oxygen Converters,
by V. K. Didkovskiy,
RUSSIAN, par. Izv. VUZ Chern. Met., No 1, 1969,
pp 44-48.
RISI #779

Sci/Mat
May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7



Effect of Synthetic Slag Treatment of Bearing Steel on the Nonmetallic Inclusion Content, by
V. I. [illegible], et al.
[illegible], 1968, 12 wt. 9 ill. Chem. Tet., Vol 12,
No 1, 1969, pp 59-62.
[illegible] 7771

Mech./ Materials
Dec 69

398,639

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

IZVESTIYA VUZ CHERNAYA METAL, Vol 12, No 1, 1969,
pp 63-68
NLL RTS. 5552

order from NTC

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

IZVESTIYA VUZ CHERNAYA METAL, Vol 12, No 1, 1969,
pp 116-119
HB 7961

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Ladle Desulfurization of Pig Iron by Injection of Powdered Lime with an Air Jet, by
A. N. Pokhvisnev, et al.
RUSSIAN, per, Izv VUZ Chern Met., Vol 12, 1969,
No 1, pp 144-149.
HB 7768

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

On the Factors Governing the Process of Ultrasonic Treatment of Liquid and Solidifying Alloys, by Ya. V. Vygovskiy, et al.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 1, 1969, pp 150-153.
MB 7769

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

IZVESTIYA VUZ CHERN MET, Vol 12, No 1, 1969, pp 154-158
NLL INC 746-322

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

[illegible] the Composition of Steel by the
[illegible] Spectrometer, by
V. Yu. [illegible], et al.
[illegible], Ser. Izvest. Vuz- Chern. Met., No 12,
Dec 1, 1969, pp 182-185.
UDC 7767

sci/ [illegible]
dec 69

398,643

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Internal Stresses in Steel Around Non-Metallic Inclusions, by Yu. V. Grdina.
RUSSIAN, per, Izv VUZ Chern Met, No 2, 1969, pp 102-105.
BISI 8156

Sci/Mat
May 70

406,777

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

High-Temperature Nitriding of 18-8 Ti Type
Austenitic Steel, by A. V. Il'chenko and
V. G. Pervyshov,
RUSSIAN, per. Izvestiya VUZ Chern Met, Vol 12,
No 2, 1969, pp 109-112.
MB 8079

Sci/Mat May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

A Rational Method of Blast Furnace Stove Operation,
by V. S. Kuchs, et al.,
RUSSIAN, per. Izv. VUZ Chern. Met., No 3, 1969.
BISI 7884

Sci/Met
Apr 70

406,673

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Interfacial Energy on the Boundary Between a Liquid Metal and Pyrolytic Graphite, by V. P. Yelyumin. 5 pp RUSSIAN, per, Izv. VUZ. Chernaya Metallurgiya, No 3, 1969, pp 10-12.
AIR/FTD-HT-23-1341-71

jan 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Size Grading of Limestone on the Strength of Fluxed Pellets, by A. N. Pokhvisnev, et al.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 3, 1969, pp 25-28.
HB 7828

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Process of Coalescence of Nonmetallic Inclusions in Liquid Steel, by V. I. Bapaliymanskiy, RUSSIAN, per. Izvestiya VUZ Chern. Met., Vol 12, No 3, 1969, pp 42-45.
MB 7830

Sci/Mat
May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Effect of Rare-Earth Metals on the Properties of Austenitic Steel, by D. Ya. Povolotskiy, et al. RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 3, 1969, pp 132-137.
HB 7831

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Effect of Grain Size and Hardness on the Energy of Initiation and Energy of Propagation of Cracks, by I. V. Shermazan.
RUSSIAN, per, Izvest. VUZ Chern. Met., Vol 12, No 3, 1969, pp 138-141.
HB 7832

Sci/Mat
Nov 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Boron on the Surface Tension and Mechanical Properties of Gray Cast Iron, by
K. I. Vashchenko,
RUSSIAN, per. Izv. VUZ Chern. Met., Vol 12, No 3, 1969, pp 145-148.
HB 7829

June 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Evaluation of the Lump-Forming Capacity of Fine Granular Materials, by V. M. Vityugin and A. S. Bogma.
RUSSIAN, per, Izvest. VUZ Chern. Met., Vol 12, No 4, 1969, pp 18-22.
HB 7986

Sci/Mat
Nov 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

On the Problem of Sinter Fuel Particle Size,
by G. G. Ilfimenko, et al.,
RUSSIAN, per. Izv. VUZ Chorn. Met., No 4, 1969,
pp 23-26.
BISI 7648

Sci/Lat
Mar 70

404,199

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The Problem of Production Method During the Reduction Period in Electric Furnaces,
by D. Ya. Povolotskiy, et al.,
RUSSIAN, ser. Izv. VUZ Chern. Met., No 4, 1969,
pp 56-60).
FTST 7649

Sci/Mat
Mar 70

404,200

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Normal and Tangential Stresses During Rolling with a Single Driving Roll, by V. N. Vydrin and V. I. Krainov,
RUSSIAN, per. Izv. VUZ Chern Met., No 4, 1969, pp 77-79.
BISI 8344

Sci/Mat
Sep 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Frictional Forces on the Mandrel in Tube Rolling,
byA. P. Chektarev, Ya. L. Vatkin, et al. 6 pp.
RUSSIAN, per, Izv VUZ Chern Met, No 4, 1969,
pp 80-82.
AIR/FTD/MT-24-54-70

Sci--Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Microrelief of Fracture Surfaces in the Transition Zones from Ductile to Brittle Fracture, by Yu. S. Veselyanskii and M. P. Braun,
RUSSIAN, per. Izvestiya VUZ Chern Met.,
Vol 12, No 4, 1969, pp 92-95.
HB 7985

Sci/Mat
Sep 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Effect of Intermediate Annealing on the Texture of Transformer Steel, by V. Ye. Kochnov, et al. 6 pp. RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy. Chernaya Metallurgiya (News of Institutions of Higher Learning. Ferrous Metallurgy), No 4, 1969, pp 101-104.
AIR/FTD/HT-23-897-70

July 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

REQ TR CHECK 7-1-23 TK66

SOLUBILITY OF NITROGEN IN IRON-CARBON MELTS
SYYAZHIN A G
UR: IVUZ. CHERN. MET, 1969, 12(5)
pp 43-46

In process as

MT-24-71-1418

Negative 13 July 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The Refining of Liquid Steel by Injection of Powdered Materials, by V. V. Sukharev, et al. RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 5, 1969, pp 62-66.
HB 9222

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Deformation of 5VMTs-Type Alloys, by
Ya. M. Okhrimenko, V. P. Troilakiy, et al. 6 pp.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy.
Chernaya Metallurgiya, No 5, 1969, pp 75-78.
AIR/FTD/MT-24-230-70

April 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Influence of Thermomechanical Treatment on the
roperties of High-Strength Nickel-Free Steel,
by V. S. Kredrer, I. V. Paisov.
USSR, er, Izvest. VUZ. Chem. et., Vol 12,
o 5, 1969, p 127-129.
AB 7919

sci/materials
feb 70 492,710

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Some Results of an Investigation of the Dendritic Inhomogeneity of Ball-Bearing Steel, by
A. Ye. Volkov, V. A. Boyarshinov.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 5, 1969, pp 143-144.
HB 7918

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Distribution of alloying elements in [illegible]
[illegible] Coatings, by [illegible]
[illegible], Surf. Technol. Vac. Chem. Ed., [illegible],
No 5, 1969, pp 153-156.
7917

Sci/ Abstracts
Nov 69

395,440

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Some Special Features of the Desiccation and
Continuous Casting of Thin Steel, by
I. V. Kudryavtsev, et al.
Svarochn. proiz., 1969(4), Vestn. Mash. Chem. Str., Vol 12,
No 7, 1969, pp 35-37.
UDC 7979

Acc/ Accnd
NOV 69

395,431

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Some Special Features of the Deoxidation of Steel with Silico-Calcium, by S. I. Popel'.
RUSSIAN, per. Izv VUZ Chern Met, Vol 12, No 7, 1969, pp 38-41.
HB 8099

Sci/ I
Jun 7[illegible]

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

[redacted]

R. B. Lobzhanidze

Interphase phenomena during contact of ferro-chromium with nonmetallic inclusions and slags. 7 pp.
RUSSIAN, Izvestiya VUZ. Chernaya Metallurgiya, No 7, 1969, pp 56-59
AIR/FTD-HT-23-575-72

oct 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Forces on the Surface of Contact in Rolling Off Tube, by V. Ul. Shevakin.
RUSSIAN, per, Izv. VUZ Chern. Met., No [illegible], [illegible], pp [illegible].
BISI [illegible]

Nov 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

esidual Stresses in Sulfurized and Sulfo-Cyanided
Layers [On Steel], by V. V. Chokurov, et al.
SU[illegible], [illegible], Izv. VUZ- Chem. Tet., Vol 12, No 7,
1969, pp 148-150.
[illegible] 8018
[illegible]

sci./ Materials
Dec 69 393,632

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

REQ TR CHECK 28-10-36 TV48

EFFECT OF IMPURITIES ON THE SURFACE TENSION OF IRON MELTS
LEVI L I
SR: IVUZ. CHERNAYA METALLURGIYA
1969, nr 7, pp 151-154

In process

HT-23-72-0146 Negative 4 2071

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

S. I. Popel'

Physico-chemical properties of wheel steel and its deoxidation products. 7 pp.
RUSSIAN, Izv. VUZ. Chernaya metallurgiya, Vol 12, No 8, pp 5-8 1969
AIR/FTD-HC-23-93-72

sept 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Principles of Calculating Rational Parameters for Baths of Electric Steelmaking Furnaces, by I. G. Kharchenko and I. D. Senikin, RUSSIAN, per. Izv. VUZ Chern. Met., Vol 12, No 8, 1969, pp 61-64.
BISI 8496

Sci/Mat
Oct 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Some Methods of Investigating the Influence of the Composition of Nonmetallic Inclusions Upon the Strength of Steel, by V. M. Finkel', et al. RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 8, 1969, pp 120-123.
HB 8071

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Properties of [illegible]-titanium-[illegible] austenitic stainless steels, / V. V. Korotushenko, et al.
[illegible], sv, Izvest. Vuz- Chern. Met., Vol 12, No 8, 1969, pp 124-126.
UDC 3073

Sci/ Technical
Jan 70 402,716

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

The Choice of Optimum Alloy for Rail Steels Subjected to Thermomechanical Work-Hardening, by V. V. Druzhinin, RUSSIAN, per. Izv. VUZ Chern. Met., Vol 12, No 8, 1969, pp 132-134.
BISI 8620

Sci/Mat
Oct 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

S. Detkov

Calculation of carbon dioxide and water vapor emission with small optical thicknesses. 9 pp.
RUSSIAN, IZV. VUZ. Chernaya metallurgiya, Vol 12, No 8, 1969, pp 153-157
AIR/FTD-HC-23-94-72

oct 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

A. Kuprianov

Rules governing the energy of adhesion and wetting of oxides with iron carbide melts.
6 pp.
RUSSIAN, Izv. VUZ. Chernaya metallurgiya,
Vol 12, No 9, 1969, pp 14-17
AIR/FTD-HC-23-91-72

oct 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Distribution of Return Fines During Sintering
Ores with Combined Fuel, by A.A. Spektor
and A.A. Kharitonov,
RUSSIAN, per. Izv. VUZ Chern Met., No 9, 1969,
pp 27.
DLSI 8563

Sep 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

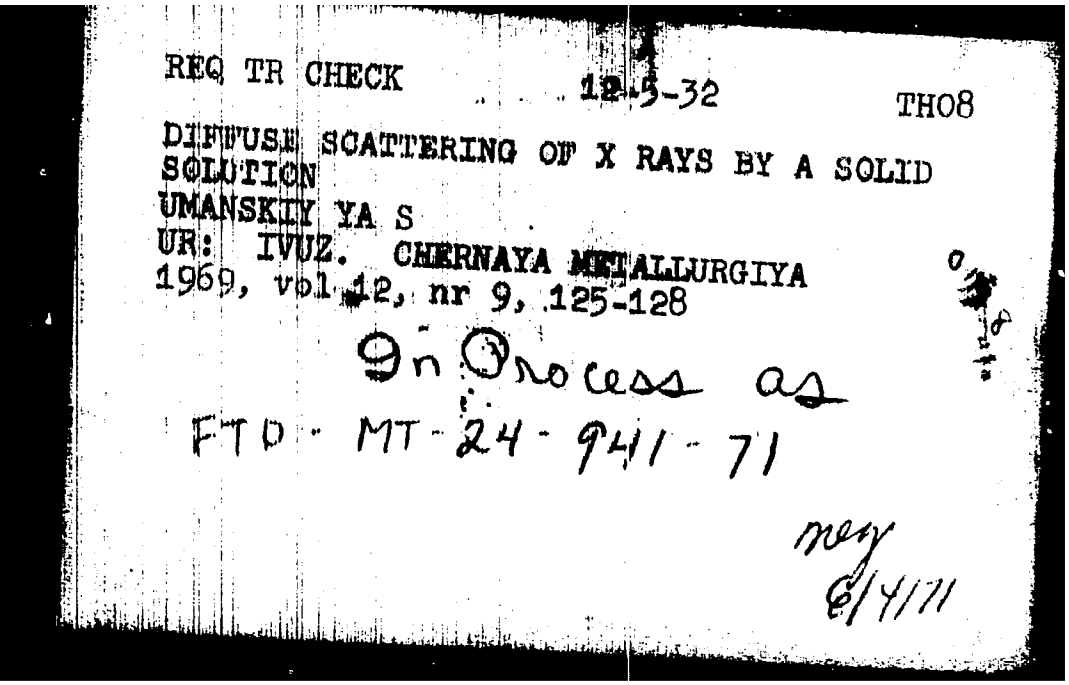
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Composition Changes of Nonmetallic Inclusions During the Melting and Pouring of High-Alloy Steel, by V. I. Zhalybin, et al.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 9, 1969, pp 50-54.
HB 8046

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7



REQ TR CHECK 12-5-32 TH08

DIFFUSE SCATTERING OF X RAYS BY A SOLID SOLUTION
UMANSKIY YA S
UR: IVUZ. CHERNAYA METALLURGIYA
1969, vol 12, nr 9, 125-128

On Process as
FTD-MT-24-941-71

mey
6/4/71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

A. A. Babykin

Temperature dependence of the optical properties of carbon black. 6 pp.
RUSSIAN, par', Izv. VUZ. Chernaya metallurgiya, Vol 12, No 9, 1969, pp 159-162
AIR/FTD-HC-23-92-72

sept 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Removal of Nonferrous Metals from Liquid Nickel and Nickel Alloys by Bubbling Argon Through Them Under Vacuum, by B. G. Chernov, P. Ya. Ageyev. RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 10, 1969, pp 5-8.
HB 8042

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Conditions of Removal of Titanium and Zirconium Nitrides from Steel, by V. Ye. Roshchin, etal. RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 10, 1969, pp 43-45.
HB 8045

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

A. V. Belotskiy V. G. Permyakov

Formation of nitrous austenite during diffusion saturation of steel KhA. 5 pp.
RUSSIAN, per, Izvestiya VUZ. Chernaya metallurgiya,
No 10, 1969. pp 86-88
AIR/FTD-EC-23-147-72

July 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7

Structure of Plastic Diffusion Layers on Steel (Vacuum) Chromized from a Sublimated Phase, by Ye. P. Ponomarenko, et al.
RUSSIAN, per, Izv VUZ Chern Met, Vol 12, No 10, 1969, pp 93-97.
HB 8041

Sci-Mat
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110026-7